L Number	Hits	Search Text	DB	Time stamp
1	12	(US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$),did.	USPAT	2004/06/28 09:00
2	2	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or	USPAT	2004/06/28 09:01
3	1	US-4688464-\$).did.) and (upper low\$4 high\$4) with pitch with (limit\$4 threshold) ((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or	USPAT	2004/06/28 09:01
4	1	US-4688464-\$).did.) and ((upper low\$4 high\$4) with pitch with (limit\$4 threshold)) and display\$4 (((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or	USPAT	2004/06/28 11:10
5	2	US-4688464-\$).did.) and ((upper low\$4 high\$4) with pitch with (limit\$4 threshold)) and display\$4) and (display image) with (chang\$4 manipulat\$4 alter\$4) same pitch ((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$).did.) and (extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4	USPAT	2004/06/28 11:25
6	514	manipulat\$4 designat\$4) with (upper lower higher limit threshold)) (pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4	USPAT	2004/06/28 12:49
7	231	chang\$4 alter\$6 adjust\$4) (extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4) with (upper lower higher limit threshold))	USPAT	2004/06/28 12:48
8	7	((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4)) and ((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4	USPAT	2004/06/28 11:27
9	4	adjust\$4 manipulat\$4 designat\$4) with (upper lower higher limit threshold))) (((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4)) and ((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4) with (upper lower higher limit threshold)))) and (sound audi\$4	USPAT	2004/06/28 12:49
10	0	voice music) (((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4)) and ((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4) with (upper lower higher limit threshold)))) and 704/.ccls.	USPAT	2004/06/28 11:32
11	4	(((((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4)) and ((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4) with (upper lower higher limit threshold)))) and (sound audi\$4 voice music)) ((((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4)) and ((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone)) with (set\$4 adjust\$4 manipulat\$4 designat\$4) with (upper lower higher limit threshold)))) and 704/.ccls.)) and (@ad @pd @prad)<=19990810	USPAT	2004/06/28 12:48
12	253	(extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold))	USPAT	2004/06/28 13:44
15	7	((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold))) and ((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6))	USPAT	2004/06/28 12:49
14	514	(pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)	USPAT	2004/06/28 13:43
16	4	(((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold))) and ((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6))) and (sound audi\$4 voice music) and (@ad @pd @prad)<=19990810	USPAT	2004/06/28 13:45

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				T =
18	4	((((extract\$4 with (pitch timbre tone)) and ((pitch timbre tone) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold))) and ((pitch timbre tone) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6))) and (sound audi\$4 voice music) and (@ad @pd @prad)<=19990810) and (amplitude volume intensity level) with (pitch	USPAT	2004/06/28 13:40
19	4713	tone timbre) (amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)	USPAT	2004/06/28 13:44
20	3531	(extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold))	USPAT	2004/06/28 15:41
21	99	((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold))	USPAT	2004/06/28 13:45
22	29	(((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with	USPAT	2004/06/28 13:47
23	18	(upper lower higher limit threshold)))) and (sound audi\$4 voice music) and (@ad @pd @prad)<=19990810 (((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with	USPAT	2004/06/28 13:47
24	64	(upper lower higher limit threshold)))) and (audi\$4 voice music) and (@ad @pd @prad)<=19990810 (((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold)))) and (audi\$4 speech song sing\$4 voice music) and (@ad @pd	USPAT	2004/06/28 13:48
25	61	@prad)<=19990810 (((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold)))) and (speech song sing\$4 voice music) and (@ad @pd @prad)<=19990810	USPAT	2004/06/28 13:48
26	19		USPAT	2004/06/28 13:49
27	6	(((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold)))) and (speech song sing singing voice music) and (@ad @pd @prad)<=19990810	USPAT	2004/06/28 14:55
28	4	("5025703" "5121669").pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2004/06/28 14:27
29	22	(US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$ or US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$ or US-5228098-\$ or US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.	USPAT; DERWENT	2004/06/28 15:40

30	19	((US-3894186-\$ c -6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-58	USPAT;	2004/06/28 15:43
		US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$ or	US-PGPUB;	
		US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$ or US-5228098-\$ or	EPO; JPO;	}
		US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.) and (hysteresis (chang\$4	DERWENT;	
		adjust\$4 setting set manipluat\$4 alter adjust)) same (amplitude volume intensity level)	IBM_TDB	2004/06/20 45:46
31	8	((US-3894188-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or	USPAT;	2004/06/28 15:46
1		US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$ or US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$ or US-5228098-\$ or	US-PGPUB; EPO; JPO;	
		US-4957552-\$ or US-5721390-\$ or US-5936160-\$ or US-5981660-\$ or US-5524060-\$ or US-5228096-\$ or US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.) and (hysteresis (chang\$4	DERWENT:	
		adjust\$4 setting set manipluat\$4 alter adjust)) same (amplitude volume intensity level) with threshold	IBM TOB	
32	4	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or	USPAT:	2004/06/28 15:47
32	•	US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$ or	US-PGPUB:	200 1100.20 10.11
1		US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$ or US-5228098-\$ or	EPO; JPO;	ŀ
		US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.) and (hysteresis (chang\$4	DERWENT:	i
		adjust\$4 setting set manipluat\$4 alter adjust)) same (amplitude volume intensity level) with threshold with	IBM_TDB	
	1	volume	_	
33	2	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or	USPAT;	2004/06/28 15:59
		US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$ or	US-PGPUB;	
	•	US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$ or US-5228098-\$ or	EPO; JPO;	1
1		US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.) and threshold with variable	DERWENT;	
1	_		IBM_TDB	
34	2	((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or	USPAT;	2004/06/28 16:01
		US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or US-4688464-\$ or	US-PGPUB;	
		US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$ or US-5228098-\$ or	EPO; JPO;	
		US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.) and threshold with (variable	DERWENT; IBM_TDB	
! !		vary\$4)	I IDM_ I DB	
35	3	(((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$ or US-5850051-\$ or	USPAT:	2004/06/28 16:02
	,	US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$ or	US-PGPUB:	255 (755/25 15:52
		US-4688464-\$).did.) ((US-3894186-\$ or US-6035009-\$ or US-5171930-\$ or US-4777649-\$ or US-6525255-\$	EPO; JPO;	
		or US-5850051-\$ or US-5756918-\$ or US-5488196-\$ or US-5287789-\$ or US-5038658-\$ or US-4771671-\$	DERWENT:	
		or US-4688464-\$ or US-4957552-\$ or US-5721390-\$ or US-5936180-\$ or US-5981860-\$ or US-5524060-\$	IBM_TDB	
		or US-5228098-\$ or US-5025703-\$ or US-5121669-\$).did. or (US-5025703-\$ or US-5121669-\$).did.)	_	
		((((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold)		
		same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity		
		level)) and ((amplitude volume intensity level) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with		
		(upper lower higher limit threshold)))) and (speech song sing singing voice music) and (@ad @pd		
		@prad)<=19990810)) and threshold with (variable vary\$4)		
ae	_	////amplitude valume intensity level) some (display\$4 CODEEN\$4) with /vaper lever higher limit threshold	LICDAT	2004/06/20 16:02
36	5			2004/00/26 10.02
]			,	
j				
		@prad)<=19990810)) and threshold with (variable vary\$4)	IBM_TDB	
1 1		Chical to the property of the		1
36	5	@prad)<=19990810)) and threshold with (variable vary\$4) (((((amplitude volume intensity level) same (display\$4 SCREEN\$4) with (upper lower higher limit threshold) same (manipulat\$4 chang\$4 alter\$6 adjust\$4 alter\$6)) and ((extract\$4 with (amplitude volume intensity level)) and ((amplitude volume intensity tevel) with (set\$4 adjust\$4 manipulat\$4 designat\$4 alter\$6) with (upper lower higher limit threshold)))) and (audi\$4 speech song sing singing voice music) and (@ad @pd @prad)<=19990810)) and threshold with (variable vary\$4)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2004/06/28 16

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